

# Partnering Opportunities in 4x



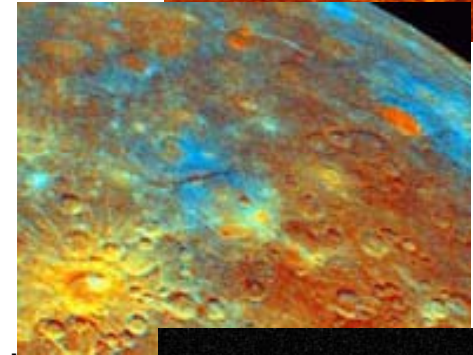
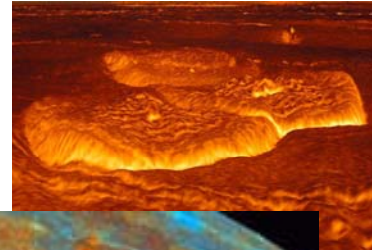
Doug Stetson  
Program Manager, Solar System Mission  
Formulation Office

# Strategic Principles

- Ongoing and assigned missions: science and cost success is paramount
- Help NASA solidify the Outer Planet Flagship Mission
  - Invest toward and advocate a long-term program
- Acquire both New Frontiers and Discovery Missions
  - Coordinated mission study and technology investments
  - Down-select to highest-value mission portfolio
- Enhance JPL's planetary instrument capability
  - Advocate and implement core instrument families
  - Increase flight opportunities for JPL PI's
- Cultivate JPL strengths and core capabilities
  - *In situ* exploration and sampling, reliability, SEP, end-to-end systems engineering of complex missions
  - Strategic partnerships to augment and enhance capabilities

# Discovery and New Frontiers

- *New Frontiers*: Medium-class competed missions
  - AO #3 expected Oct.-Dec. 2008 (~\$850M)
  - Feasibility studies and senior science review completed
  - Portfolio selected and in development
- *Discovery*: Small competed missions
  - AO expected spring 2009 (~\$450M)
  - Portfolio planning underway now; down selection approximately October 2008
  - RFI for “new” proposals approximately July 2008
- Goals, guidelines, and lessons learned
  - Low cost, low cost-risk, and simple management structure are prerequisites to winning
  - Discovery partnership is a step toward New Frontiers
  - Coordinated and early investments to reduce technical risks dramatically enhance proposals



# Key Contacts

- **Discovery and New Frontiers**
  - Greg Garner (818-354-2761, [gregory.j.garner@jpl.nasa.gov](mailto:gregory.j.garner@jpl.nasa.gov))
- **Planetary Instruments**
  - Chris Webster (818-354-7478, [chris.r.webster@jpl.nasa.gov](mailto:chris.r.webster@jpl.nasa.gov))
- **Lunar Robotic Strategy and Missions**
  - Leon Alkalai (818-354-5988, [lalkalai@jpl.nasa.gov](mailto:lalkalai@jpl.nasa.gov))
- **Planetary Technology**
  - Satish Khanna (818-354-4489, [satish.k.khanna@jpl.nasa.gov](mailto:satish.k.khanna@jpl.nasa.gov))
- **Innovation Initiative**
  - Rich Terrile (818-354-6158, [rich.terrile@jpl.nasa.gov](mailto:rich.terrile@jpl.nasa.gov))